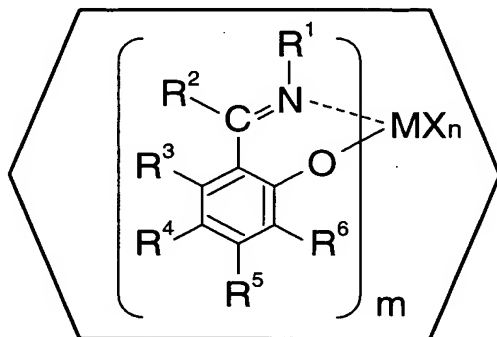


Fig. 1

Transition metal compound  
containing ligand having  
cyclopentadienyl skeleton



M : transition metal atom of Group 4 or 5  
 $\text{R}^1$  : aliphatic or alicyclic hydrocarbon group  
 $\text{R}^2 - \text{R}^5$  : hydrogen atom, hydrocarbon group  
 or the like  
 $\text{R}^6$  : hydrocarbon group or the like  
 $\text{X}$  : halogen, hydrocarbon group or the like  
 $n$  : valence of M  
 $m$  : 1, 2

Organoaluminum oxy-compound

Ionizing ionic compound

Organoaluminum compound

(Carrier)

(Organic compound  
component)

Olefin

Branched  
polyolefin

2/2

Fig. 2

